The `cctype` library of character functions provides a convenient and powerful set of tools for analyzing character input.

With C++’s loops and decision-making statements, you have the tools for writing interesting, intelligent, and powerful programs. But we’ve only begun to investigate the real powers of C++. Next, we look at functions.

**Review Questions**

.1: Consider the following two code fragments for counting spaces and newlines:

// Version 1
while (cin.get(ch)) // quit on eof
{
    if (ch == ' ')
        spaces++;
    if (ch == '\n')
        newlines++;  
}
// Version 2
while (cin.get(ch)) // quit on eof
{
    if (ch == ' ')
        spaces++;
    else if (ch == '\n')
        newlines++;  
}

What advantages, if any, does the second form have over the first?

.2: In Listing 6.2, what is the effect of replacing `++ch` with `ch+1`?

.3: Consider carefully the following program:

```cpp
#include <iostream>
using namespace std;
```